Notes on Arctostaphylos glauca Lindl, var. puberula I. T. Howell.—Arctostaphylos glauca var. puberula, which differs from typical A. glauca in its glandular pubescent to glandular hirsute or finely pubescent branchlets rather than glabrous and glaucous branchlets, has been reported at scattered localities from Santa Clara Co. to Ventura Co., California (McMinn, H. E., An illustrated manual of California shrubs, 1951). This variety is now being reported from several localities in southwest San Diego Co. The largest population is at the east end of Willows Road, The Willows. Specimens at this locality have glandular puberulent to glandular pubescent or glandular puberulent to nonglandular pilose branchlets, petioles, and leaf bases (J. Keeley 3200-3204, 3212-3218, 3301-3312), Specimens with similar types and amounts of pubescence have also been collected from Alpine Guard Station (J. Keeley 2949, 2952), Viejas Grade (J. Keeley 3221-3223), the junction of Lyons Valley Road and the Lawson truck trail (J. Keeley 2889, 3317) and the south end of Boulder Creek Road (J. Keelev 3308). All specimens will be deposited in SD. At the Willow Road site this variety appears to intergrade with the type variety as all degrees of pubescence are found. In addition three observations suggest the hypothesis that hybridization with Arctostaphylos glandulosa Eastw. may be the source of variation at this locality. Three specimens had inflorescence bracts 4-7 mm long, twice that typical for A. glauca. This characteristic was also found in at least one individual from the Alpine, Viejas Grade, and Boulder Creek localities. Even more convincing however were the characteristics of the fruits from the Willow Road population. Rather than the smooth solid endocarp typical of A. glauca, many were ridged and channelled, some even breaking into distinct nutlets. Several individuals from the Lyons Valley-Lawson truck trail site also exhibited this characteristic. Both of these traits, i.e., large bracts and fruits that break into distinct nutlets, are characteristics of A. glandulosa, a shrub found in close association with A. glauca at all the localities cited above. In addition a small collection of fruits from A. glandulosa at the Willow Road site revealed several that were fused into solid stones. Although these characteristics may have arisen from hybridization, the two populations of Arctostaphylos species appear to be quite distinct in such major distinguishing characters as burl formation, glaucous leaves, fruit size, and shrub aspect.--Jon E. Keeley, Department of Botany, University of Georgia, Athens 30602.